

PRODUCT INFORMATION PACKET



Model No: 056T34F99008

Catalog No: D393A

General Purpose Motor, 1 & 0.75 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM,
56C Frame, TEFC



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Nameplate Specifications

Phase	3	Output HP	1 & 0.75 Hp
Output KW	0.75 & 0.56 kW	Voltage	230/460 & 190/380 V
Speed	3450 & 2850 rpm	Service Factor	1.15 & 1.15
Frame	56C	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	78.5 & 81 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	3/1.5 & 2.6/1.3 A	Power Factor	79.1
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	J
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	21.2 Ohms	Mounting	Bolt-on Base
Motor Orientation	Horizontal Or Up Or Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	11.81 in
Frame Length	6.56 in	Shaft Diameter	0.625 in
Shaft Extension	2.06 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	A-100141-656	Connection Drawing	EE7308

Technical drawing of a motor terminal box, showing front and end views with dimensions and callouts.

Front View Dimensions:

- Overall width: $C \pm .06$
- Distance from left face to centerline: (AG)
- Distance from centerline to right face: 2.06
- Distance from top face to centerline: .16
- Distance from centerline to bottom face: .10
- Distance from left face to terminal box centerline: 1.88
- Terminal box width: .19 x .19 x 1.38
- Terminal box hole diameter: $\phi 4.500$ / 4.497
- Terminal box hole diameter: $\phi .6250$ / .6245
- Terminal box hole tolerance: .004 A
- Terminal box hole diameter: .35
- Terminal box hole diameter: 3.00
- Terminal box hole diameter: 2.75
- Terminal box hole diameter: (4.00)
- Terminal box hole diameter: BS
- Terminal box hole diameter: .004 A

End View Dimensions:

- Overall diameter: 8.96
- Inner diameter: $(\phi 7.36)$
- Inner diameter: $(\phi 6.48)$
- Inner diameter: (5.56)
- Inner diameter: (4.53)
- Inner diameter: 45°
- Inner diameter: 45°
- Inner diameter: 7.33
- Inner diameter: 3.50
- Inner diameter: 3.44
- Inner diameter: (.12)
- Inner diameter: .44
- Inner diameter: .88
- Inner diameter: (.18)
- Inner diameter: 4.88
- Inner diameter: (6.50)

Callouts:

- NAMEPLATE READ FROM COND. BOX SIDE
- A-
- 2 - $\phi 1.09$ KNOCKOUTS
- 3 - $\phi .88$ KNOCKOUTS
- 3/8-16 UNC-2B .56 MIN. FULL THD. 4 HOLES

TERMINAL END

DASH	FR.	C	AG	BS
606	56-60	11.31	9.25	2.75
656	"-65	11.81	9.75	3.25
706	"-70	12.31	10.25	3.75

NOTES: CONDUIT BOX CAN BE ROTATED 180°
REMOVABLE BASE

					✓ UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX± .02 XXX± .005 XXXX± .0005 ANGLES± 7'30"				
					MAX. SURFACE ROUGHNESS UNLESS OTHERWISE NOTED		DRAWN BY TRB	07-27-1999	
					FINISH		CHKD BY		
I		NEW DRAWING	TRB		MATERIAL		APPD BY		
REV	DATE	CHANGE	NAME	PART NAME OUTLINE 56 FR. - BB - TEFC - 1Ø - "C" FRAME				DRWG NO A-100141LN	
				PURCHASED		CADD FILE NO.		100141LN	



				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN RM 11/20/1990				
5	CHG TO REGAL LOGO	SL 09/10/2015	AB	DEC.	INCHES		CHK ML 11/21/1990				
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1		APPD SAS 04/24/2003				
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005	TITLE CONNECTION DIAGRAM 3ø – DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005	MAT'L	FMF				
NO.	REVISION	BY & DATE	CHK	ANG	±7"30"	FINISH	PREV				
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT – DO NOT SCALE THIS PRINT			RFP		CAD FILE ee7308		SIZE	DRAWING NO.	PAGE	OF	REV.
			DIST WP				A	EE7308			5



P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER: _____ CUSTOMER P.O. #: _____
ORDER #: _____ REFERENCE MODEL #: 56T34F99008
CONN. DIAGRAM: EE7308 CAT #: D393A
OUTLINE: A-100141-656 CUSTOMER PART #: _____
WINDING: ZT2107 R4 3 MOUNTING: F1 ONLY
SPEED: _____

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
1	0.75	3600	3485	56C	TEFC	TFR	J	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	3/1.5&2.6/1.3	ACROSS THE LINE	CONT	F	1.15	40	3300

F.L. EFF	78.5	3/4 LD EFF	79.4	1/2 LD EFF	73.9	GTD EFF	72.0	ELECT. TYPE	SQ CAGE IND RUN
F.L. PF	79.1	3/4 LD PF	75.8	1/2 LD PF	64.0				

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
1.50 LB-FT	10.0	3.2 LB-FT 213%	4.8 LB-FT 320%	45

@ 3 FT.	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
68 dBA	77 dBA	0.02 LB-FT²	2 LB-FT²	10 SEC.	2	22 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	BRAKE	BOLT-ON	ZONTAL OR UP OR D	NO	NONE	YES	NONE	GRAY (POWDER)

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE ODE						
BALL BALL	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203 6203						

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
12.07	6.362	17.324	11.246	349.32	0.150	ODE

* N O T E S *		INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE
	ENCODER: NONE NONE NONE	NONE PPR

PREPARED BY: FAREEDA DUDEKULA	BRAKE: NONE
DATE: 8/29/2018	NONE NONE
	FT-LB: NA
	VOLTAGE: NONE HZ:
FORM: 3531 REV_4 2/27/06	UL: V-INS, CONST UL REC

Data Sheet

Date: 12/13/2018

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



56T34F99008

Submittal

Data @ 460 V

Motor Load Data

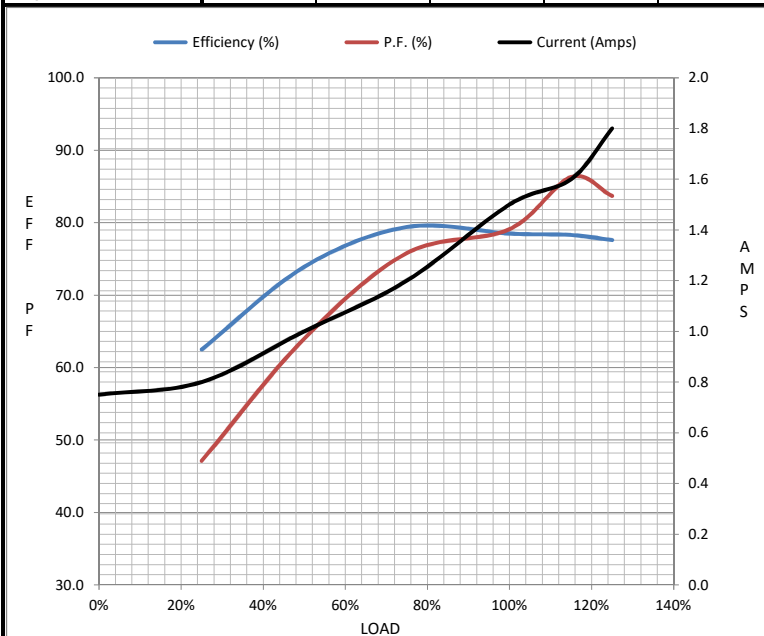
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	0.75	0.80	1.00	1.20	1.50	1.60	1.80	10.0	
Torque (ft-lb)	0.00	0.37	0.75	1.15	1.50	1.75	1.90	3.2	
RPM	3600	3569	3540	3525	3485	3465	3450	0	
Efficiency (%)		62.5	73.9	79.4	78.5	78.3	77.6		
P.F. (%)	20.1	47.1	64.0	75.8	79.1	86.3	83.7	64.0	

Motor Speed Data

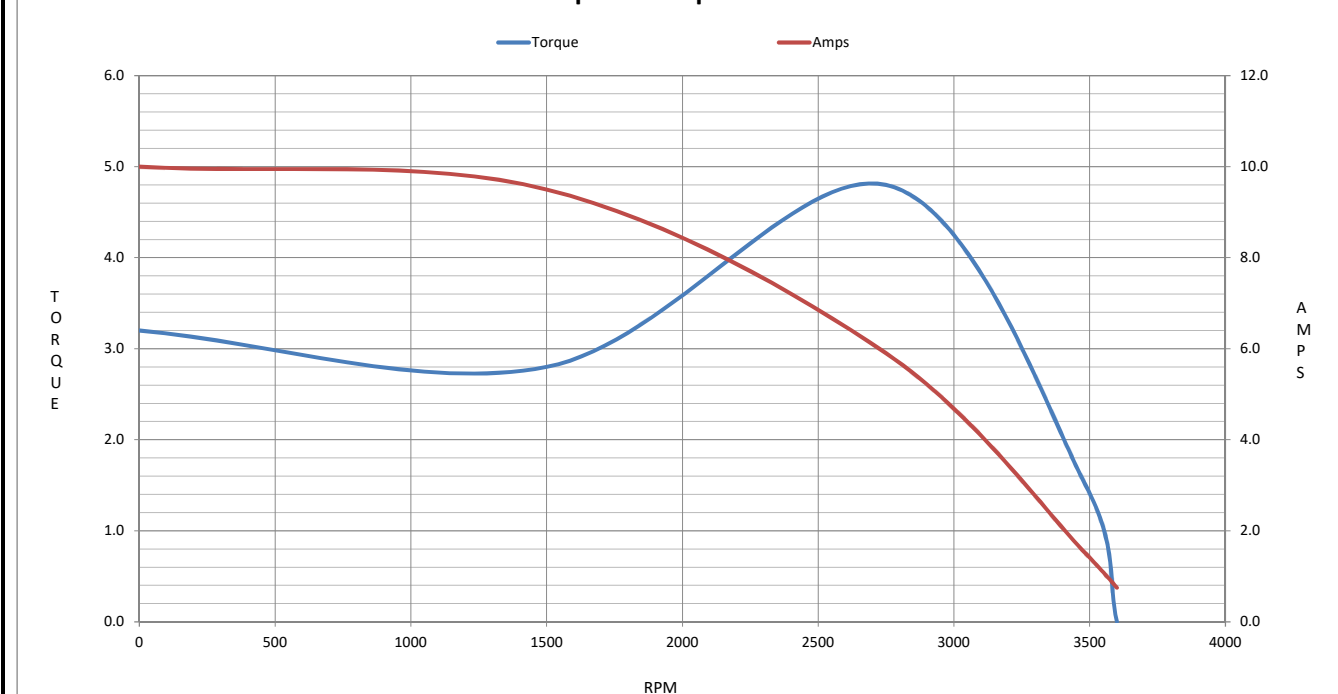
	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1500	2750	3485	3600
Current (Amps)	10.0	9.5	5.9	1.50	0.75
Torque (ft-lb)	3.2	2.80	4.8	1.50	0.00

Information Block

HP	1.0			
Sync. RPM	3600			
Frame	56			
Enclosure	TEFC			
Construction	TS			
Voltage	230/460#190/380		V	
Frequency	60		Hz	
Design	B			
LR Code letter	J			
Service Factor	1.15			
Temp Rise @ FL	45		° C	
Duty	CONT			
Ambient	40		° C	
Elevation	1,000		feet	
Rotor/Shaft wk²	0.02		Lb-Ft²	
Ref Wdg	ZT2107 R4			
Sound Pressure @ 1M	68		dBA	
VFD Rating	NONE			
Outline Dwg	A-100141-656			
Conn. Diag	EE7308			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
12.0700	6.3620	17.3240	11.2460	349.3200



Speed -Torque Curve



EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
100 East Randolph St.
Wausau, WI 54401

and the authorized representative
established within the Community:

Marathon Electric UK
6F Thistleton Road Ind. Estate
Market Overton
Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : 056T34F99008

(Model No. may contain prefix and/or suffix characters)

Catalog No : D393A

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Michael A. Logsdon
Vice President, Technology

Authorized Representative in the Community:



Julian Clark
Marketing Engineer

Created on 09/01/2022

CE 22